

Title (en)

VARIABLE MECHANISM FOR TURBO CHARGER OF VGS TYPE AND EXHAUST GUIDE ASSEMBLY HAVING THE SAME THEREIN

Title (de)

VARIABLER MECHANISMUS FÜR EINEN VGS-TURBOLADER UND ABGASLEITUNGSAORDNUNG DAMIT

Title (fr)

MÉCANISME VARIABLE POUR TURBOCOMPRESSEUR DE TYPE VGS ET ENSEMBLE DE GUIDAGE D'ÉCHAPPEMENT AYANT CELUI-CI

Publication

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Application

EP 08765188 A 20080605

Priority

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- JP 2007151854 A 20070607

Abstract (en)

[origin: EP2154349A1] A novel technique for partially improving wear resistance of an input portion of a drive ring, where power of a shifting drive is input from an external actuator, in an adjustment mechanism incorporated in a VGS type turbocharger for concurrently rotating adjustable blades, without specifically attaching a separate member afterwards is provided. The present invention is characterized in that the drive ring, to which shaft portions of the adjustable blades are connected, is made of a blank material punched out from a metal material having a substantially constant thickness, a blank being cut out such that the blank includes a surplus reinforcing portion in addition to an actual product part of the drive ring, the reinforcing portion being suitably folded back so as to partially increase the thickness of the input portion, where power of the shifting drive is input from the actuator, thereby increasing wear resistance of the input portion, and in addition characterized in that the material type/sheet thickness/shape factor are specified for implementation of the invention.

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Citation (search report)

- [A] US 6471470 B2 20021029 - YOSHIMURA HYOJI [JP], et al
- [A] EP 1722073 A1 20061115 - BORGWARNER INC [US]
- See references of WO 2008149938A1

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